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P Jeanrenaud, K Ng, M Siu, JR Rohlicek, H Gish - Proc. EUROSPEECH, 1993 - sls.csail.mit.edu ... absorb non-keyword events and reduce false alarms than a simple **subword** filler. ... In the context of **word spotting**, the language model provides not only a good ... Cited by 27 - Related Articles - View as HTML - Web Search

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CH Lee, RA Sukkar - US Patent 5,675,706, 1997 - Google Patents ... errors L vmarrubia ^ A . Acero , "Rejection Techniques keyword rejection in subword-based speech recognition. ... tinuous word spotting for applications in ... Cited by 134 - Related Articles - Web Search

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CONTINUOUS SPEECH we can conclude that there was speech not containing ... Cited by 15 - Relaied Articles - Web Search

[PDF] Talker-independent keyword spotting for information retrieval - all 5 versions »

JT Foote, GJF Jones, KS Jones, SJ Young - Proc. Eurospeech, 1995 - rotorbrain.com ... presents preliminary work on using **subword** HMMs for talker- independent (though still xed-vocabulary) **spotting**. ... set of 8-mixture **word**-internal triphone ...

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Phonetic training and language modeling for word spotting - all 4 versions »

JR Rohlicek, P Jeanrenaud, K Ng, H Gish, B Musicus ... - Acoustics, Speech, and Signal Processing, 1993. ICASSP-93., ..., 1993 - ieeexplore.ieee.org

... of **subword** units from the keywords. This approach, using only keyword pieces (Table 1 ILI), was shown to be effective with our whole-**word word spotting** sys ...

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Modeling Out-Of-Vocabulary Words for Robust Speech Recognition - all 12 versions »

I Bazzi, JR Glass - Sixth International Conference on Spoken Language Processing, 2000 - ISCA ... This approach has been effectively used in key-word spotting for example ... with accurately recovering the un- derlying sub-word sequence of an OOV word for the ...

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Providing Sublexical Constraints for **Word Spotting** within the ANGIE Framework - all 10 versions >

R Lau, S Seneff - Fifth European Conference on Speech Communication and ..., 1997 - ISCA ... given in the order of increasing **sub- word** lexical constraints ... focus on the effects of **subword** models. ... summarize the results of our **word-spotting** experi- ments ... Cited by 8 - Related Articles - Web Search

A hidden Markov model based keyword recognition system

RC Rose, DB Paul - Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., ..., 1990 - ieeexplore.ieee.org

... 2 KEYWORD **SPOTTING** SYSTEM 2.1 Baseline System ... vocabulary speaker independent kev-

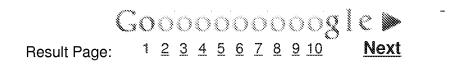
word recognition in ... 4], continuous Gaussian observation **subword** hidden Markov ... Cited by 175 - Belated Articles - Web Search

Subword-based approaches for spoken document retrieval - all 14 versions >

K Ng, VW Zue - Speech Communication, 2000 - Elsevier

... We investigate the use of **subword** unit representations for SDR as an alternative to **words** generated by either keyword **spotting** or continuous speech recognition ...

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... discriminative utterance verification for non-keyword rejection in subword based speech recognition - all 8 versions

CH Lee, RA Sukkar - US Patent 5,675,706, 1997 - Google Patents

... pass classifier for utterance rejection in keyword **spotting**," ... first processing the spoken **word** (utterances) through ... uses a plurality of **subword** acoustic models ...

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A hidden Markov model based keyword recognition system

RC Rose, DB Paul - Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., ..., 1990 - ieeexplore ieee.org

... Monophone Models system in Table 1. The **second** observations is ... There are a total of 385 **subword** models in ... Continuous HMM for speaker independent **word spotting**. ...

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Flexible speech understanding based on combined key-phrasedetection and verification - all 8 versions -

T Kawahara, CH Lee, BH Juang - Speech and Audio Processing, IEEE Transactions on, 1998 - leeexplore leee.org

... dependent manner (eg, [10]), sacrificing the advantage of **subword**-based **recognition** ... units such as phrases are more stable than **words** for **spotting** even when ...

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A fast algorithm for large vocabulary keyword spotting application - ail 3 versions »

EFHHC Wang, FK Soong - Speech and Audio Processing, IEEE Transactions on, 1994 - ieeexplore.ieee.org

... In this correspondence, we present a **word spotting** application requiring a ... subsets, each of which contains the **words** sharing the same **subword** (defined as ...

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[PS] First Experiences with a System for Content Based Retrieval of Information from Speech Recordings - all 2

<u>versions »</u>

P Schauble, M Wechsler - IJCAI-95 Workshop on Intelligent Multimedia Information ..., 1995 - inf.ethz.ch

... the retrieval system provides additional on-line **word spotting** for nding query **words** which are ... vocabulary consists of 1000 special **subword** units, which ...

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A fast vocabulary independent algorithm for spotting words inspeech

S Dharanipragada, S Roukos - Acoustics, Speech, and Signal Processing, 1998. ICASSP'98. ..., 1998 - ieeexplore.ieee.org

... Each node in the trellis represents a **sub-word** or a ... the time axis is discretized into T second intervals, where T ... "Word Spotting", ICASSP 1989, pp627-630. ...

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A training procedure for verifying string hypotheses in continuousspeech recognition - all 2 versions »

RC Rose, BH Juana, CH Lee - Acoustics, Speech, and Signal Processing, 1995, ICASSP-95., ..., 1995 - ieeexplore ieee.org ... com- mand **spotting** [3], and keyword **spotting** in conversational ... vocabulary and a network of 43 subword models to ... in a total of 1225 word hypotheses correspond ...

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Pattern recognition using a family of design algorithms based upon the generalized probabilistic ... - all 2 versions >

S Katagiri, BH Juang, CH Lee - Proceedings of the IEEE, 1998 - ieeexplore.ieee.org

... the overall recognizer, or in other words, its design ... The second possibility is that improvement efforts were ... particular tasks such as keyword spotting, eg, [63 ...

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Method for word spotting in continuous speech - all 4 versions >

JH Garman, AG Klein, VM Stanford - US Patent 5,425,129, 1995 - Google Patents ... recognition system, a subsystem for spotting pre-specified ... of continuous speech; said **sub-word** model analyzer ... phoneme models; said full-**word** model analyzer ...

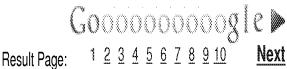
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